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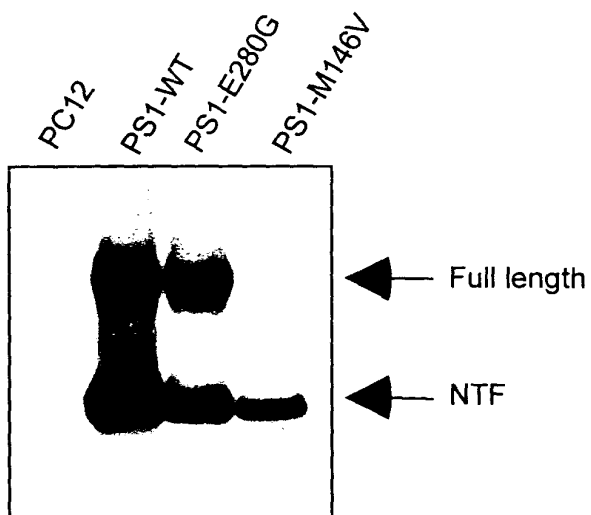


FIG. 1A

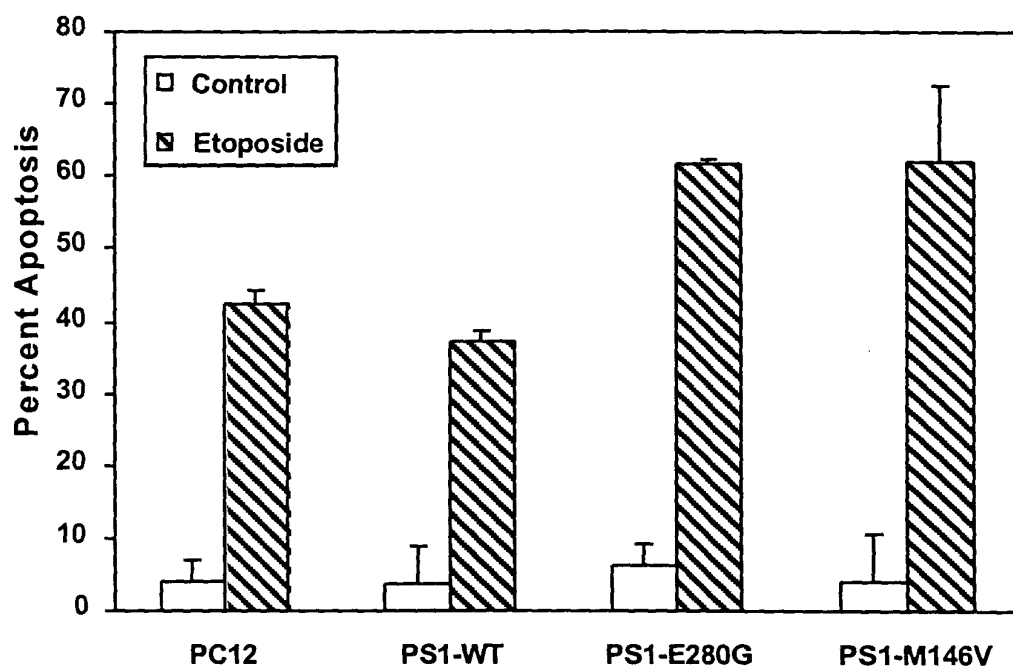


FIG. 1B



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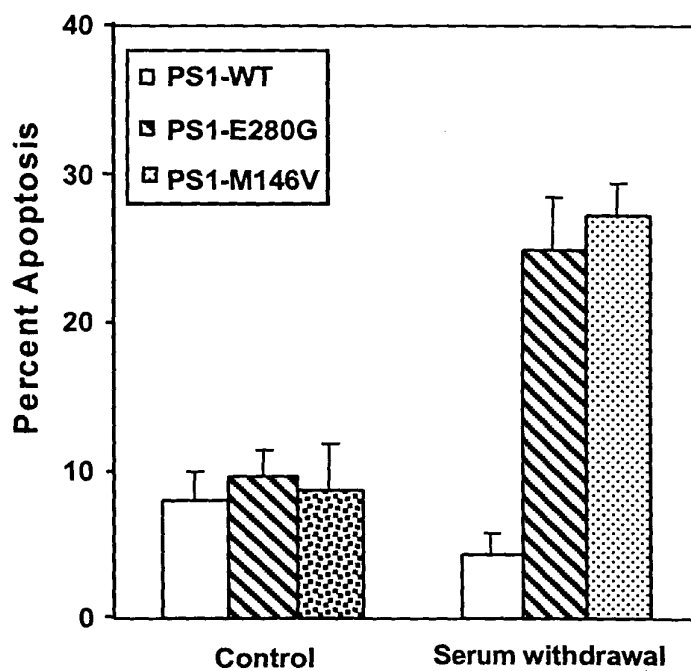


FIG. 1C



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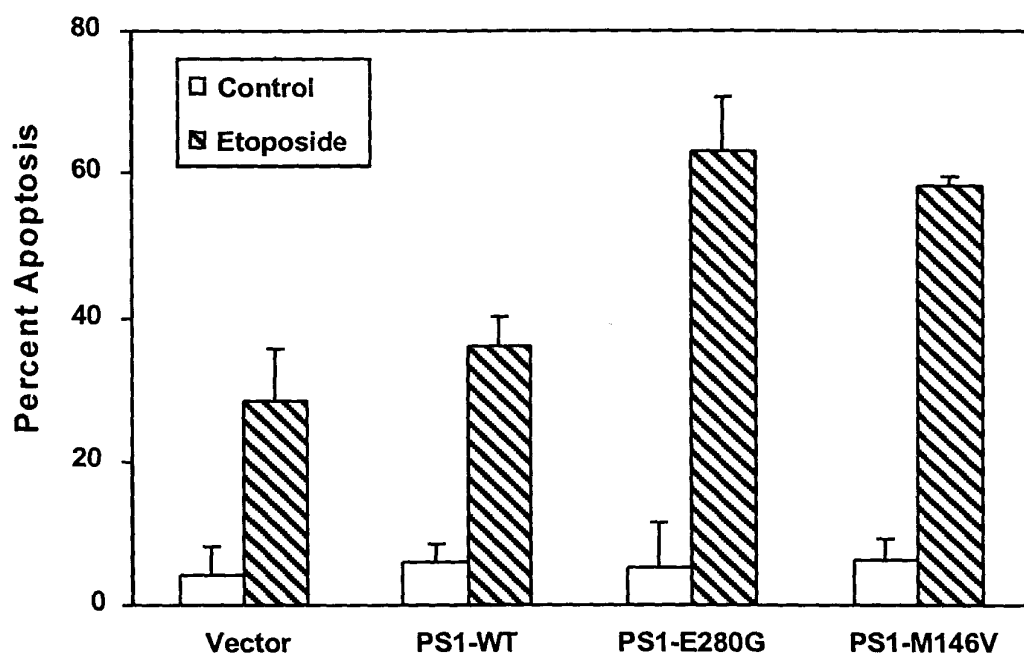


FIG. 1D



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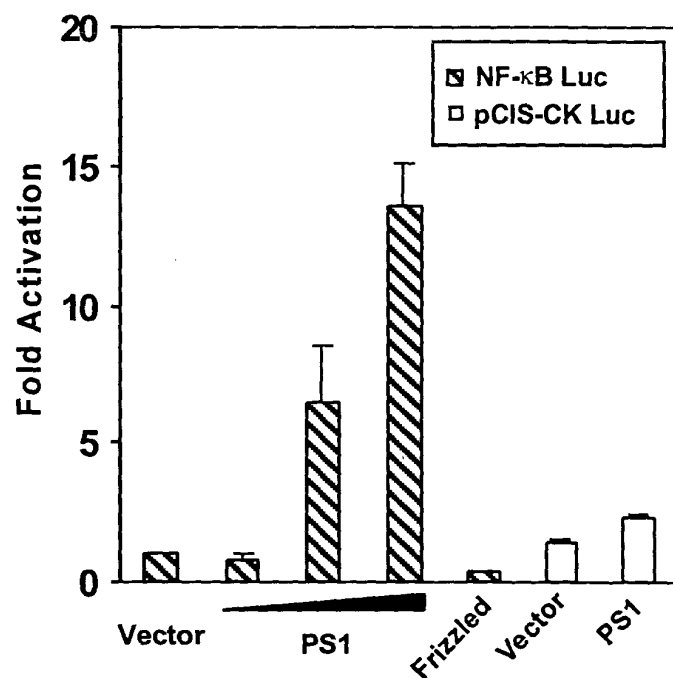
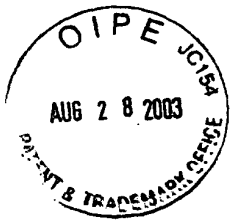


FIG. 2A



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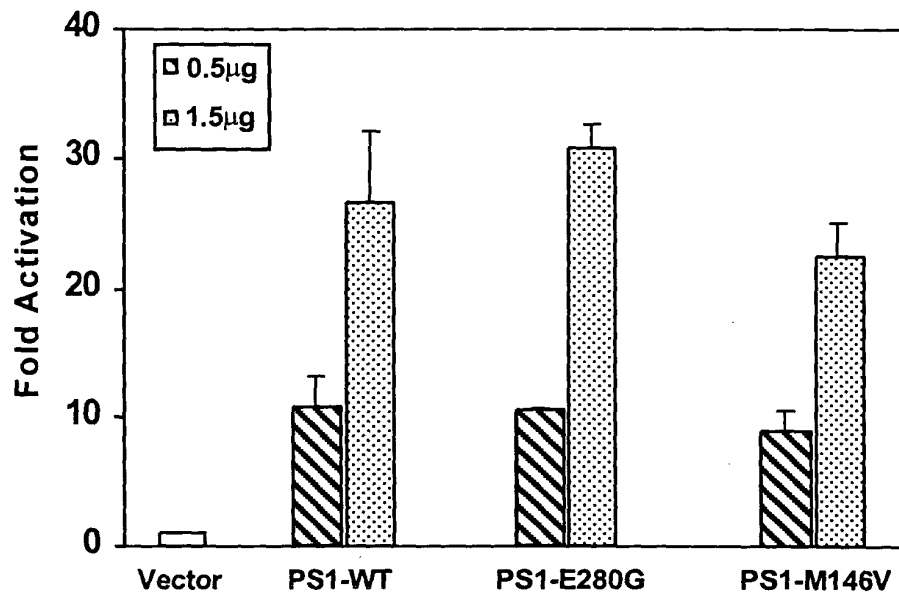


FIG. 2B



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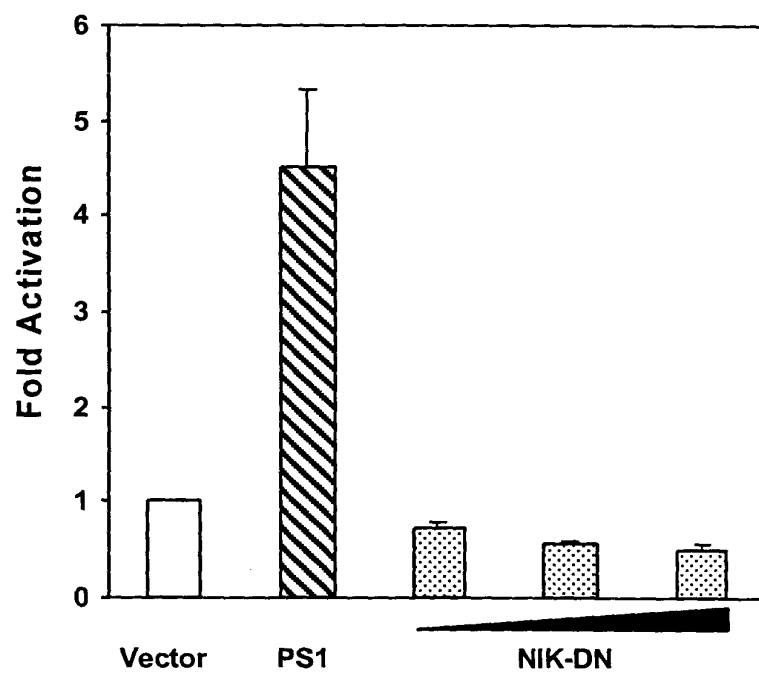


FIG. 3A



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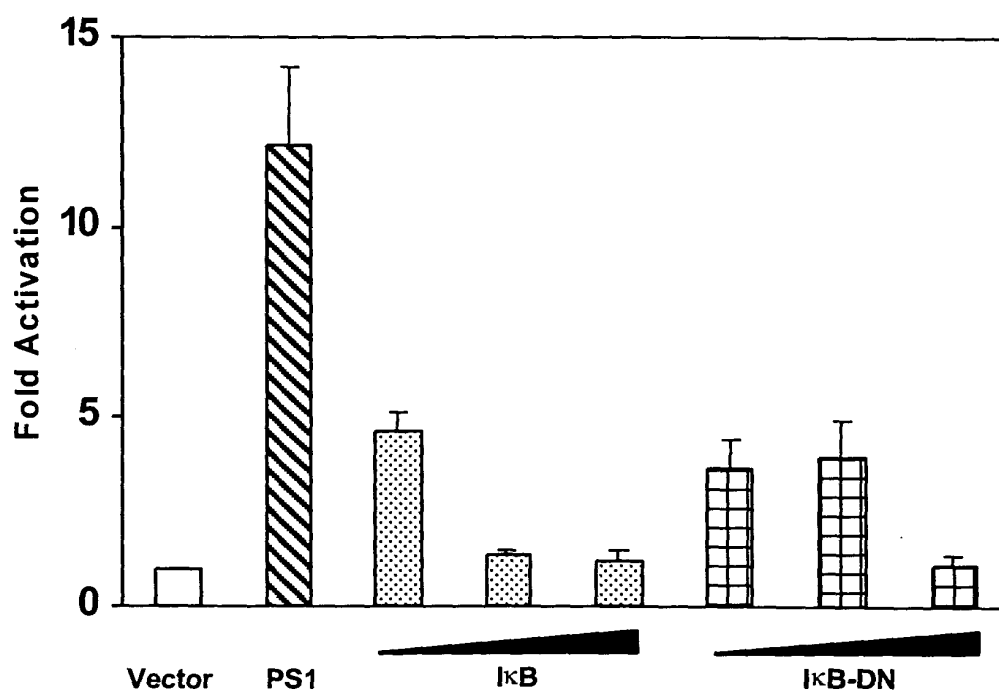


FIG. 3B





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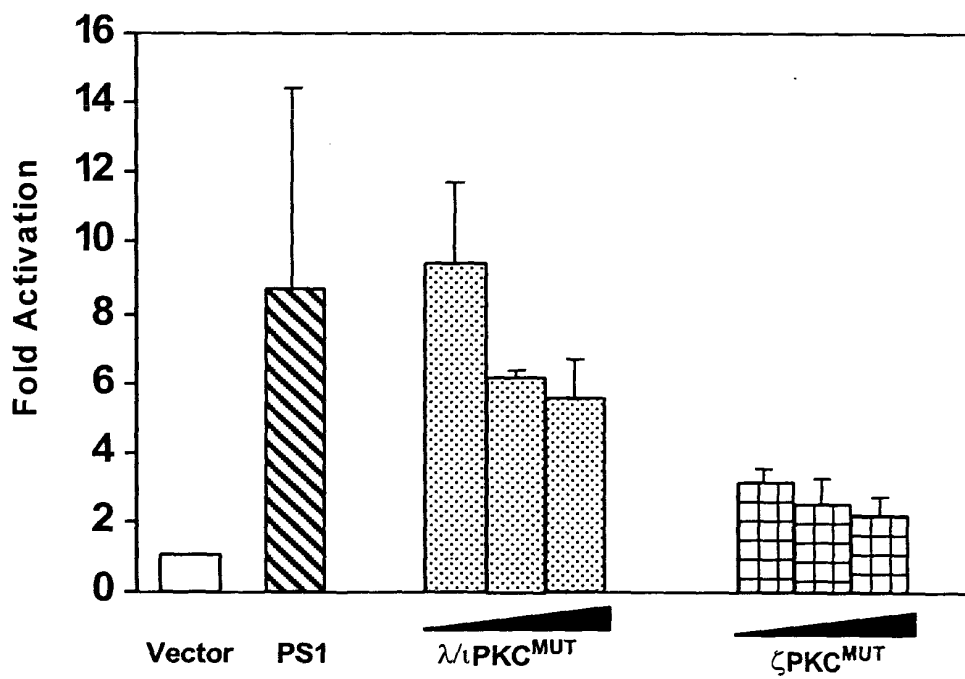


FIG. 4A



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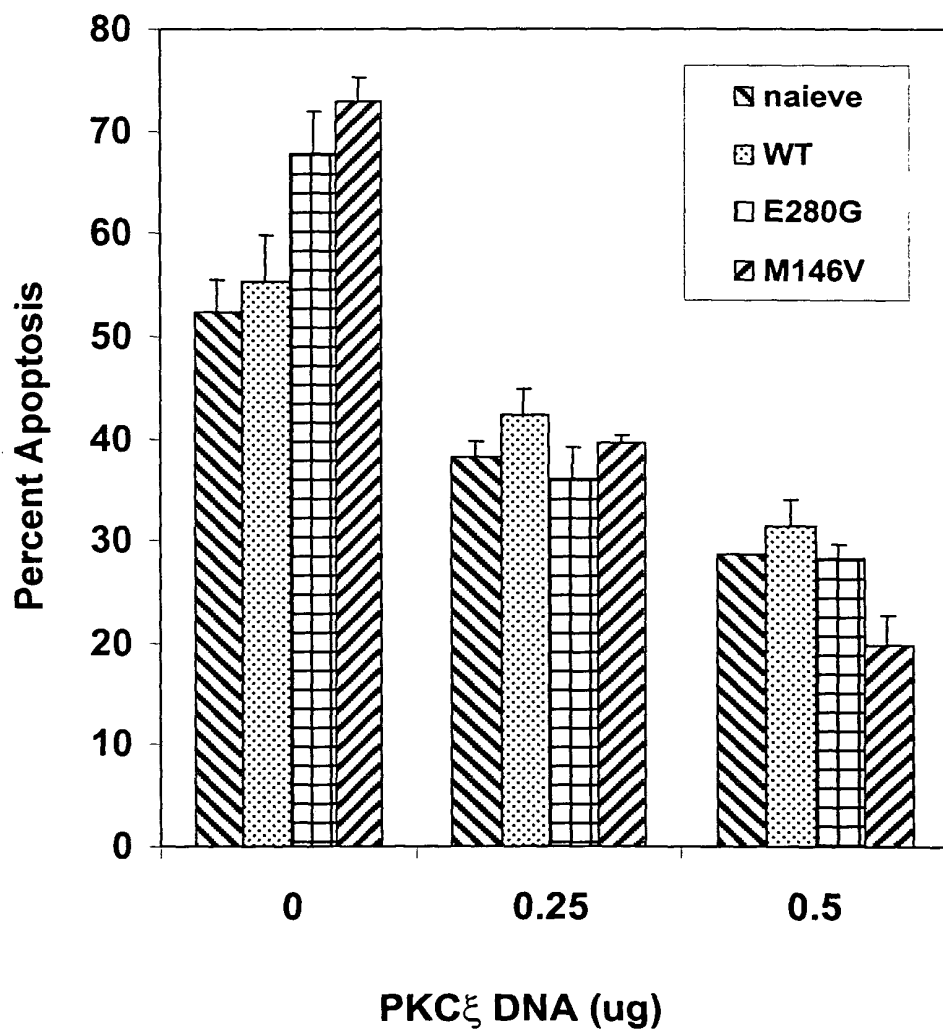


FIG. 4B



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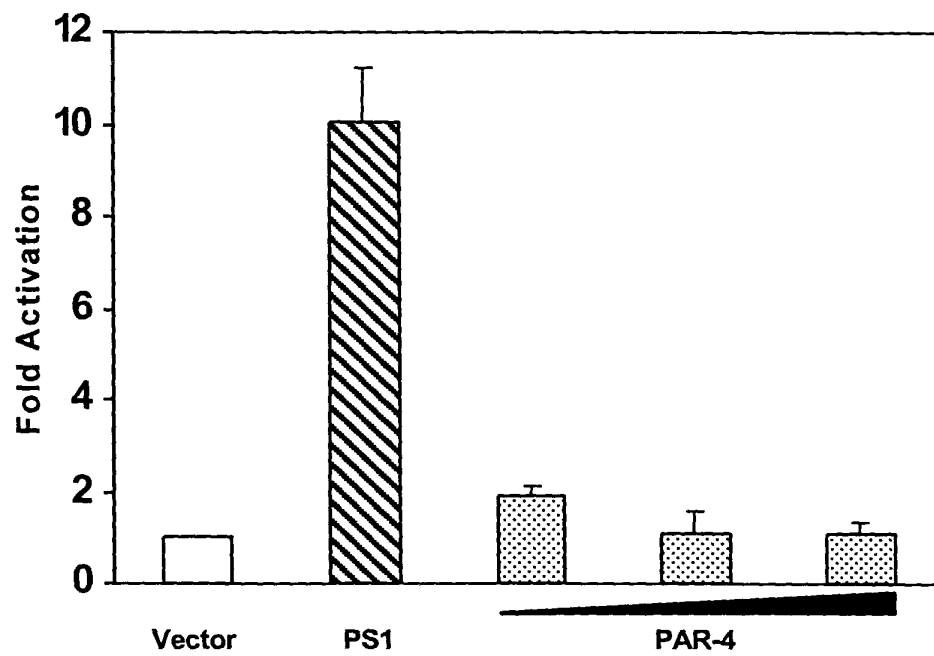


FIG. 4C

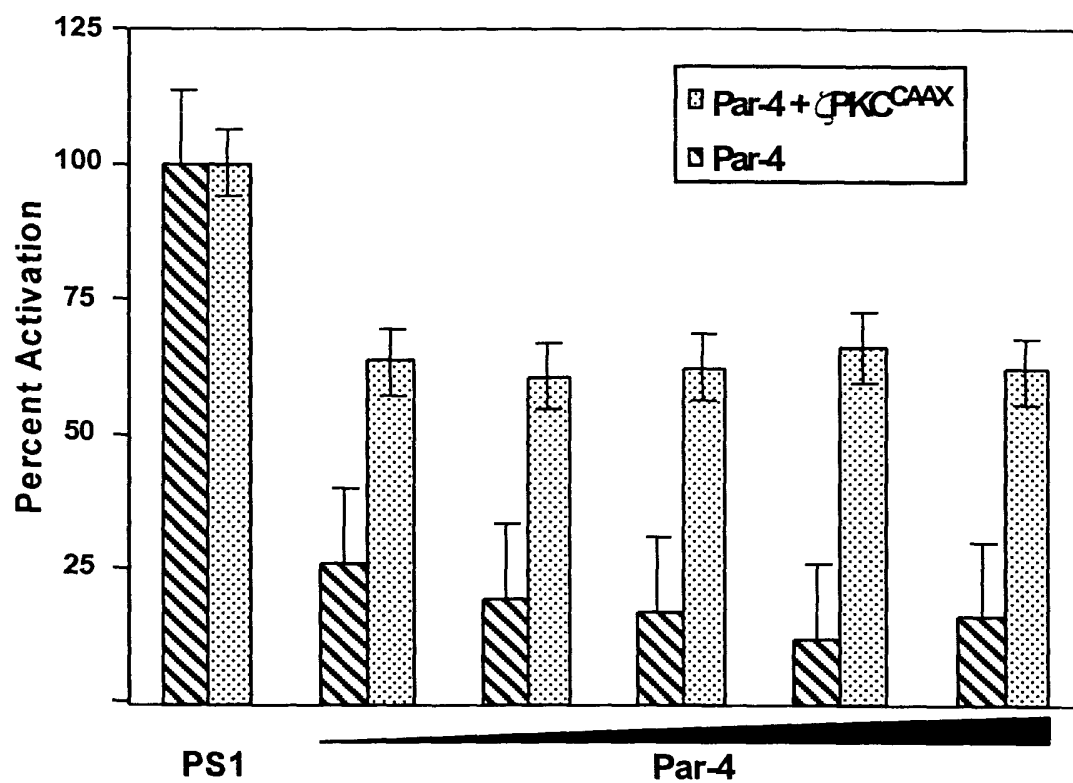


FIG. 4D

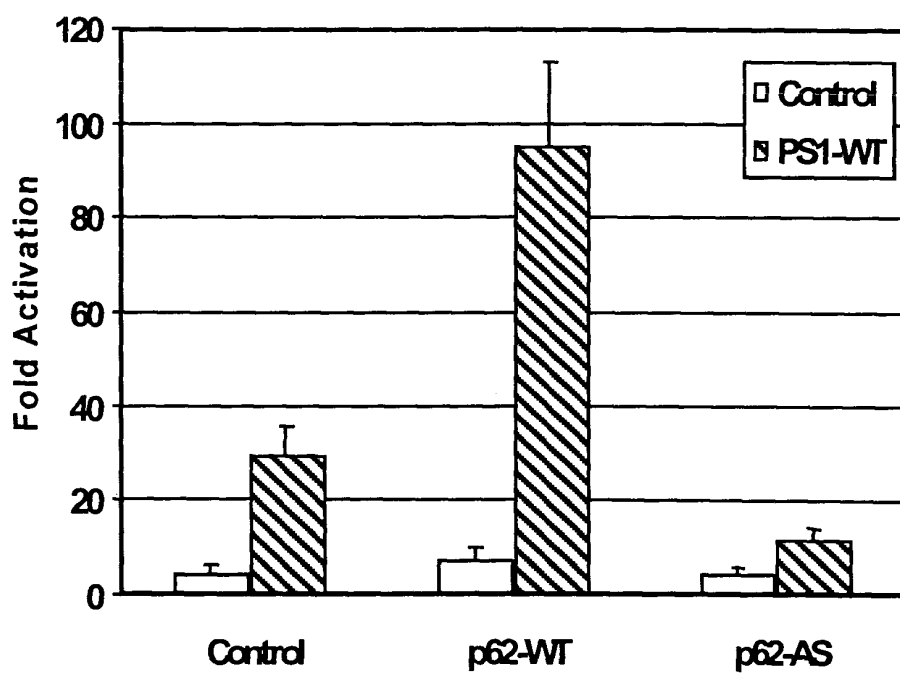
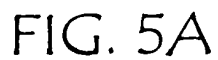


FIG. 4E





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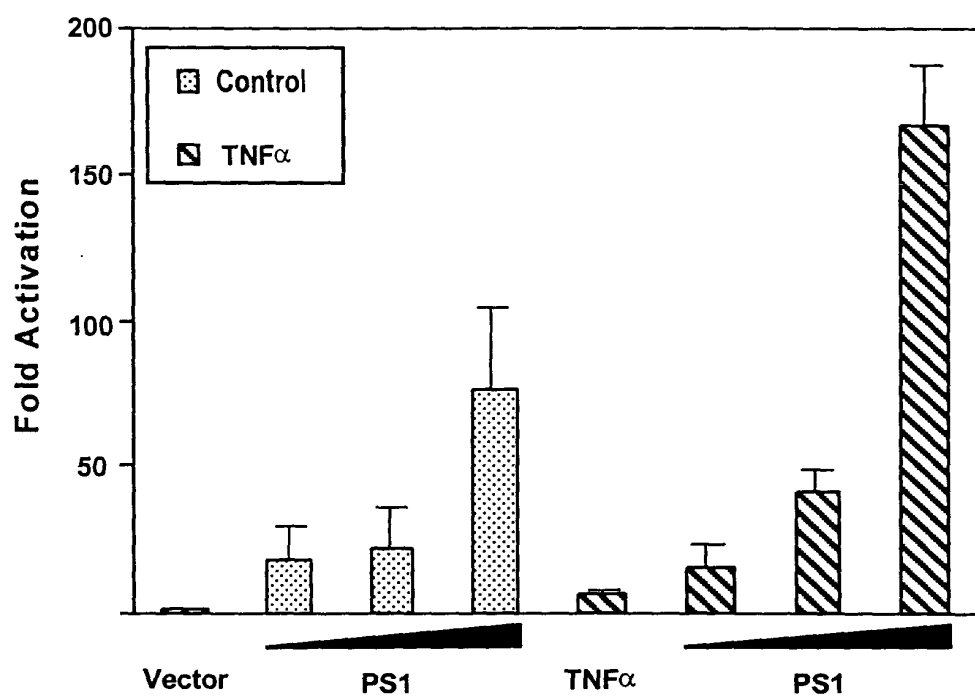


FIG. 5C



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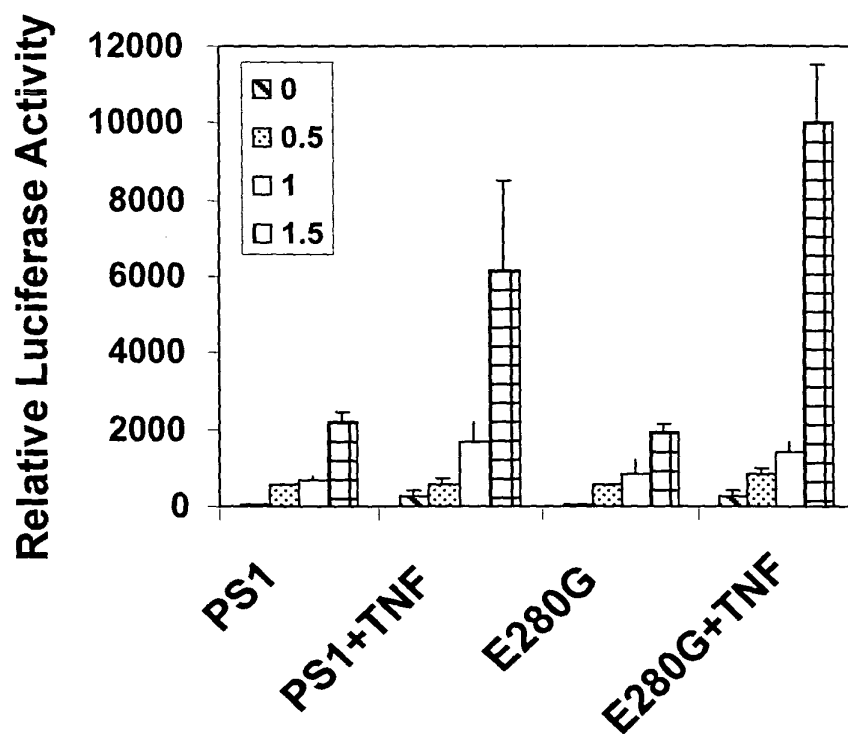


FIG. 5D





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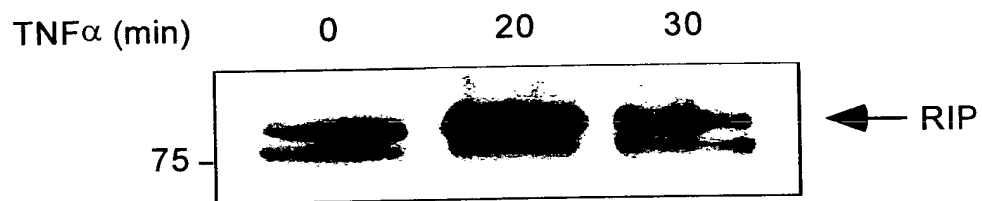


FIG. 6A



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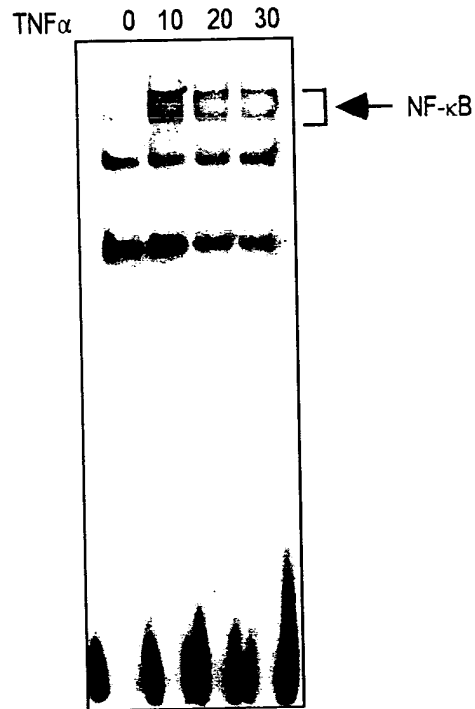


FIG. 6B

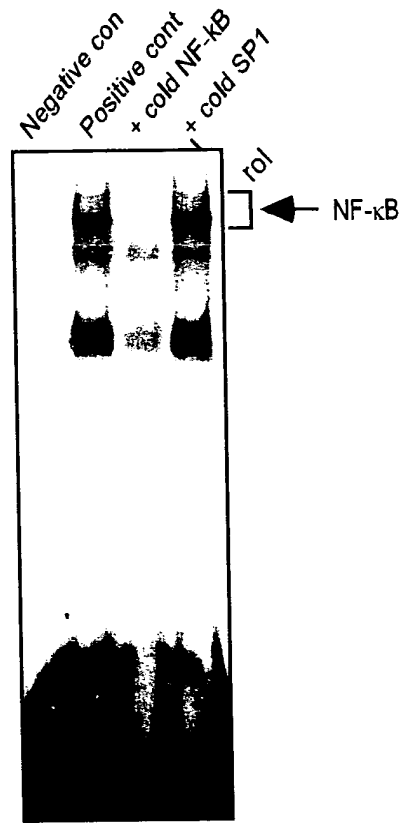


FIG. 6C



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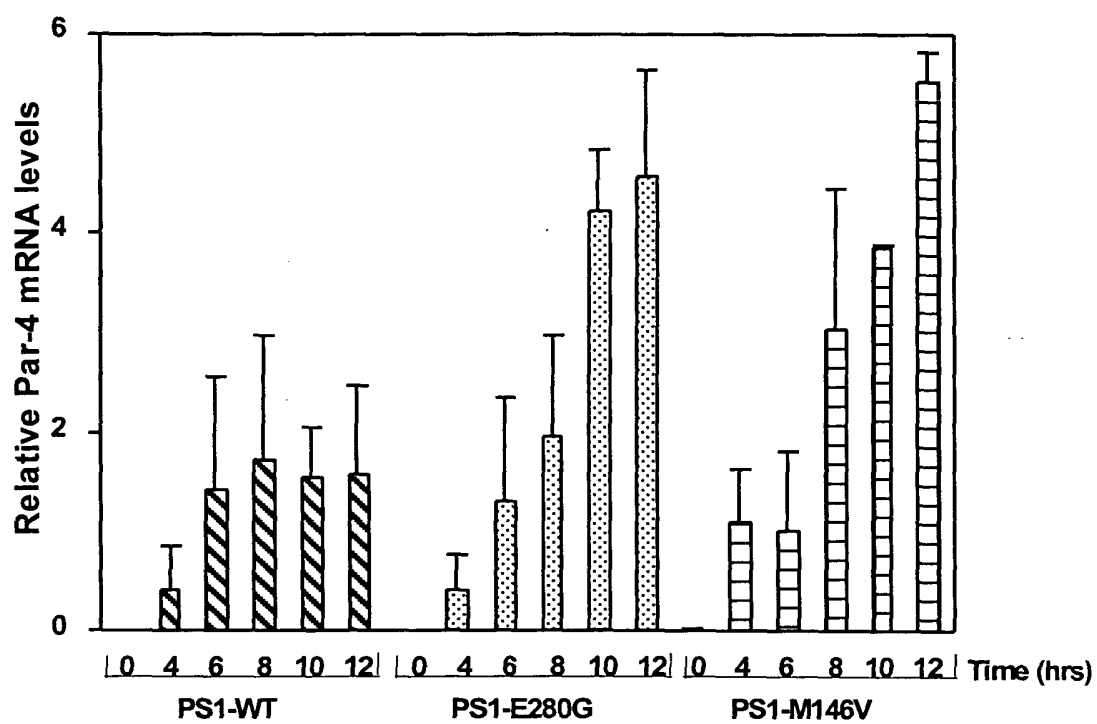


FIG. 7A



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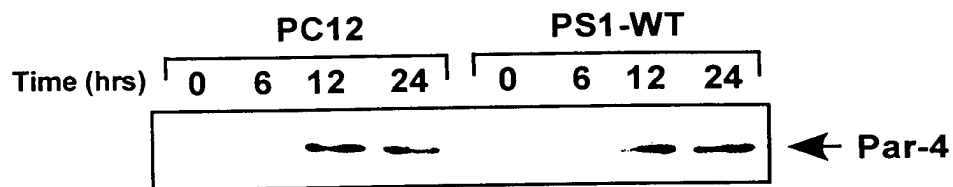


FIG. 7B

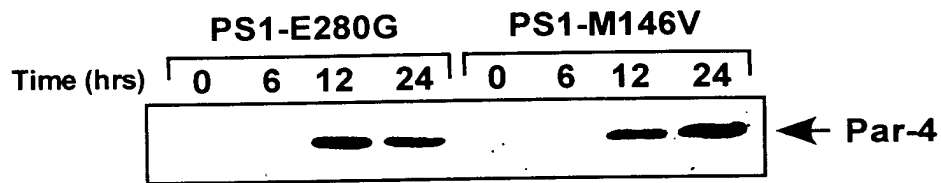
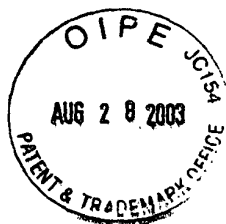


FIG. 7C



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FIG. 8A

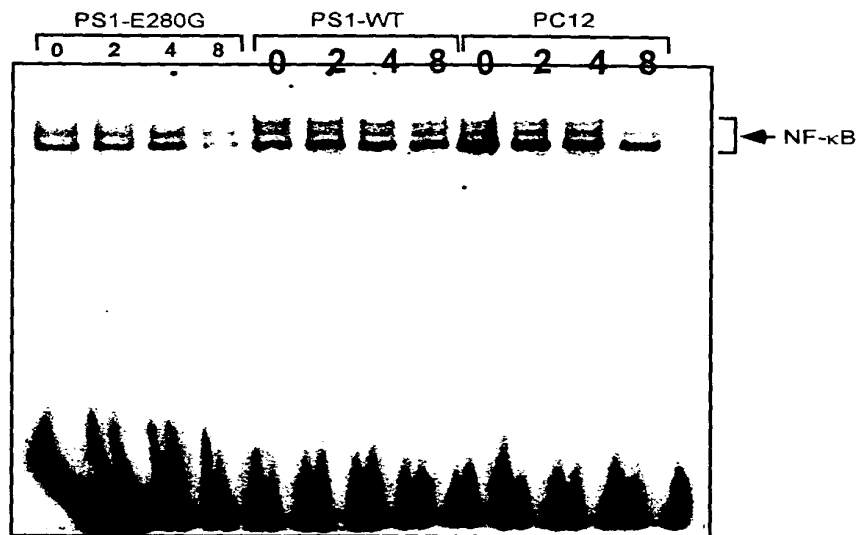
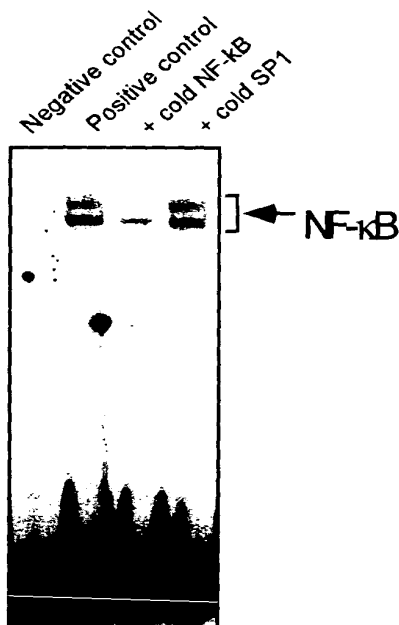


FIG. 8B





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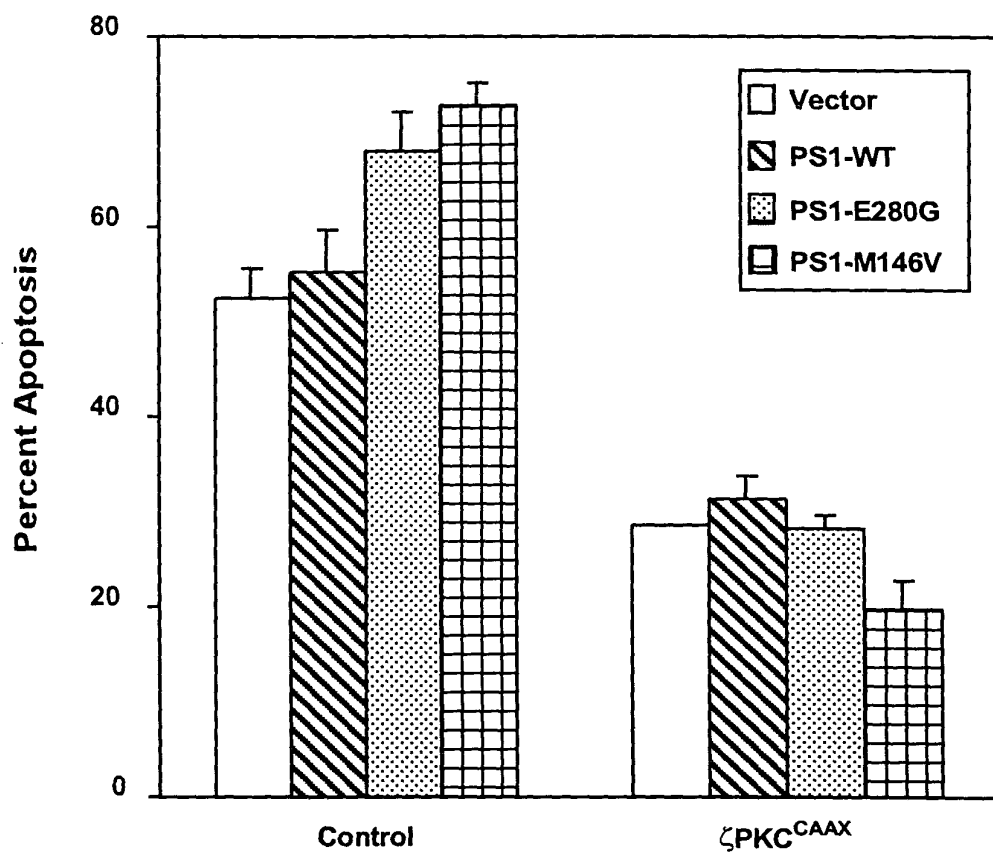


FIG. 9A



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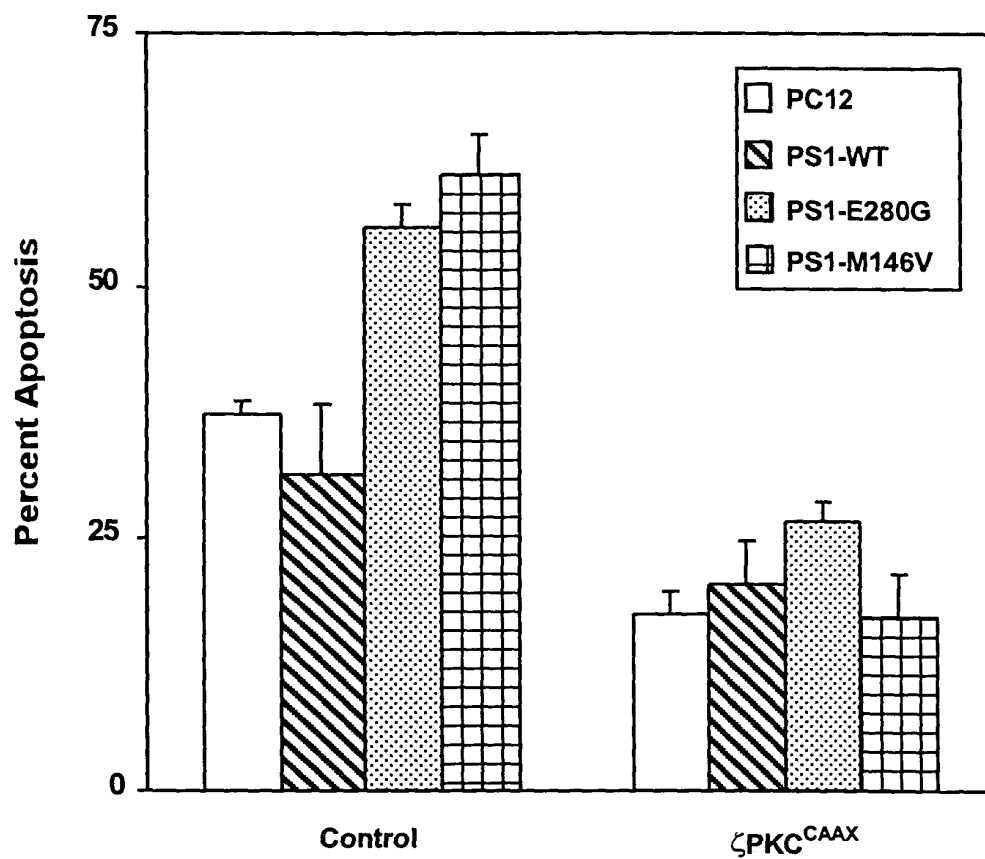


FIG. 9B



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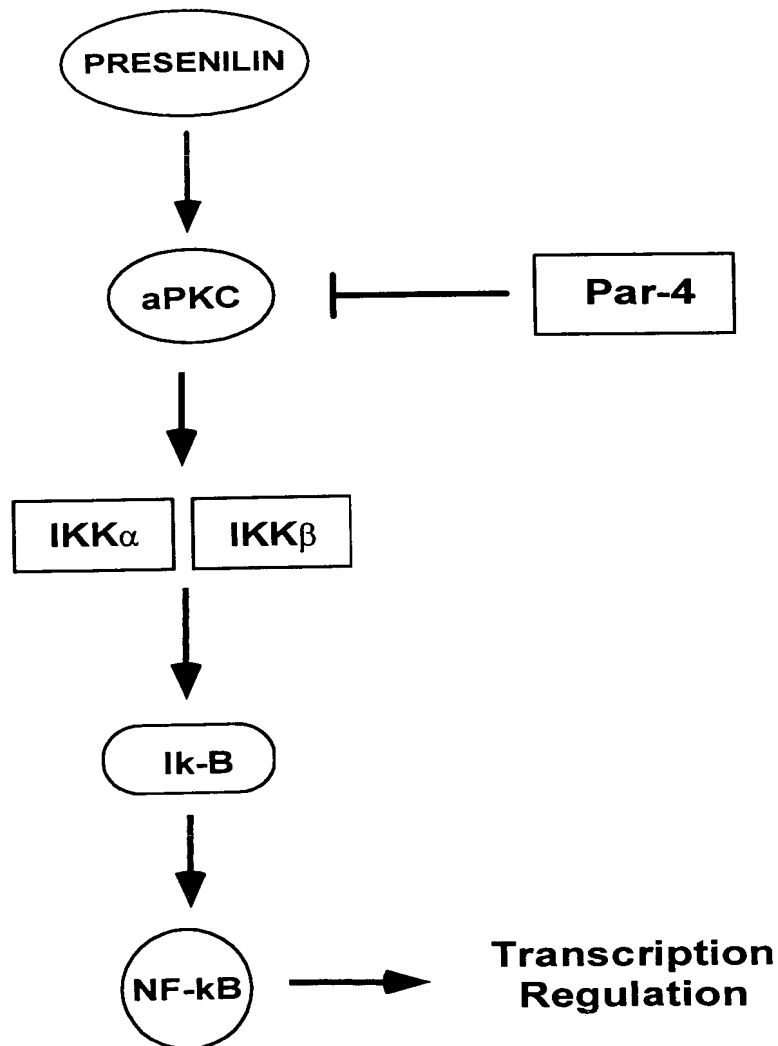


FIG. 10





METHOD FOR IDENTIFYING INHIBITORS OF NEURONAL DEGENERATION

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ATGCGCGCCAAGCAGAACCCCCCGGGCCCGGCCCGGGAGGGGGCAGCAGCGACGCCGC  
TGGGAAGCCCCCGCGGGGGCTCTGGGCACCCCGCGGCCCGCGCTGCCAACGAGCTCAACA  
ACAACCTCCCGGGCGGCGCGCCGGCCGCACCTGCCGTCCCGGGTCCCGGGGGCGTGAACTGC  
GCGGTCCGGCTCCGCCATGCTGACGCGGGCGCCCCGGCCCCGCGGCCCGCGGCGGTTCGGAGGA  
CGAGCCCCCAGCCGCCTCTGCCTCGGCTGCACCGCCGCCCCAGCGTGACGAGGAGGAGCCGG  
ACGGCGTCCCAGAGAAGGGCAAGAGCTCGGGCCCCAGTGCCAGGAAAGGCAAGGGGCAGATC  
GAGAAGAGGAAGCTGCGGGAGAAGCGGCGCTCCACCGGCGTGGTCAACATCCCTGCCGCAGA  
GTGCTTAGATGAGTACGAAGATGATGAAGCAGGGCAGAAAGAGCGGAAACGAGAAGATGCAA  
TTACACAACAGAACACTATTTCAGAATGAAGCTGTAACTTACTAGATCCAGGCAGTTCCTAT  
CTGCTACAGGAGCCACCTAGAACAGTTTCAGGCAGATATAAAAGCACACCAGTGTCTCTGA  
AGAAGATGTCTCAAGTAGATATTCTCGAACAGATAGAAGTGGGTTCCTAGATATAACAGGG  
ATGCAAATGTTTCAGGTACTCTGGTTTCAAGTAGCACACTGGAAAAGAAAATTGAAGATCTT  
GAAAAGGAAGTAGTAACAGAAAGACAAGAAAACCTAAGACTTGTGAGACTGATGCAAGATAA  
AGAGGAAATGATTGGAAAACCTCAAAGAAGAAATTGATTTATTAAATAGAGACCTAGATGACA  
TAGAAGATGAAAATGAACAGCTAAAGCAGGAAAATAAACTCTTTTGAAAGTTGTGGGTCAG  
CTGACCAGGTAG

FIG. 11A



METHOD FOR IDENTIFYING INHIBITORS OF NEURONAL DEGENERATION

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MATGGYRTSSGGGSTTDWKA KRKMRAKNGAGGGSSDAAGKAGAGTAAAAANNNNGGAAA  
AVGGVNCAVGSAMTRAARGRRSDAASASAARDG VKGKSSGSARKGKGKRKRKR  
RRSTGVVNAACDYDDAGKRKRDATNTNAVNDGSSYRTVSGRYKSTTSVSDVSS  
RYSRTDRSGRYNRDANVSGTVSSSTKKDKVVTRNRVRMDKMGKKDNRDDDNK  
NKT KVVGTRMATGGYRTSSGGGSTTDWKA KRKMRAKNGAGGGSSDAAGKAGAG  
TAAAAANNNNGGAAA AVGGGVNCAVGSAMTRAARGRRDAASASAARDG VKGKSS  
GSARKGKGKRKRKR

FIG. 11B



METHOD FOR IDENTIFYING INHIBITORS OF NEURONAL DEGENERATION

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ATGACAGAGTTACCTGCACCGTTGTCCTACTTCCAGAATGCACAGATGTCTGAG  
GACAACCACCTGAGCAATACTGTACGTAGCCAGAATGACAATAGAGAACGGCAG  
GAGCACAACGACAGACGGAGCCTTGGCCACCCTGAGCCATTATCTAATGGACGA  
CCCCAGGGTAACTCCCGGCAGGTGGTGGAGCAAGATGAGGAAGAAGATGAGGAG  
CTGACATTGAAATATGGCGCCAAGCATGTGATCATGCTCTTTGTCCCTGTGACT  
CTCTGCATGGTGGTGGTCGTGGCTACCATTAAGTCAGTCAGCTTTTATACCCGG  
AAGGATGGGCAGCTAATCTATACCCCATTCACAGAAGATACCGAGACTGTGGGC  
CAGAGAGCCCTGCACTCAATTCTGAATGCTGCCATCATGATCAGTGTCAATTGTT  
GTCATGACTATCCTCCTGGTGGTCTGTATAAATACAGGTGCTATAAGGTCATC  
CATGCCTGGCTTATTATATCATCTCTATTGTTGCTGTTCTTTTTTTCATTCATT  
TACTTGGGGGAAGTGTTTAAAACCTATAACGTTGCTGTGGACTACATTACTGTT  
GCACTCCTGATCTGGAATTTTGGTGTGGTGGGAATGATTTCCATTCACTGGAAA  
GGTCCACTTCGACTCCAGCAGGCATATCTCATTATGATTAGTGCCCTCATGGCC  
CTGGTGTTTATCAAGTACCTCCCTGAATGGACTGCGTGGCTCATCTTGGCTGTG  
ATTTAGTATATGATTTAGTGGCTGTTTTGTGTCCGAAAGGTCCACTTCGTATG  
CTGGTTGAAACAGCTCAGGAGAGAAATGAAACGCTTTTTCCAGCTCTCATTTAC  
TCCTCAACAATGGTGTGGTGGTGAATATGGCAGAAGGAGACCCGGAAGCTCAA  
AGGAGAGTATCCAAAAATTCCAAGTATAATGCAGAAAGCACAGAAAGGGAGTCA  
CAAGACACTGTTGCAGAGAATGATGATGGCGGGTTCAGTGAGGAATGGGAAGCC  
CAGAGGGACAGTCATCTAGGGCCTCATCGCTCTACACCTGAGTCACGAGCTGCT  
GTCCAGGAACCTTTCCAGCAGTATCCTCGCTGGTGAAGACCCAGAGGAAAGGGGA  
GTAAACTTGGATTGGGAGATTTCAATTTCTACAGTGTTCTGGTTGGTAAAGCC  
TCAGCAACAGCCAGTGGAGACTGGAACACAACCATAGCCTGTTTCGTAGCCATA  
TTAATTGGTTTGTGCCTTACATTATTACTCCTTGCCATTTTCAAGAAAGCATTG  
CCAGCTCTTCCAATCTCCATCACCTTTGGGCTTGTTTTCTACTTTGCCACAGAT  
TATCTTGACAGCCTTTTATGGACCAATTAGCATTCCATCAATTTTATATCTAG

FIG. 12A



METHOD FOR IDENTIFYING INHIBITORS OF NEURONAL DEGENERATION

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MTLPAPLSYFQNAQMSEDNHLSTVRSQNDNRERQEHNDRRLGHPEPLSNGRPQGNSRQV  
VEQDEEEDDEELTLKYGAHVIMLFVPVTLCMVVVATIKSVSFYTRKDGQLIYTPFTEDTET  
VGQRALHSILNAAIMISVIVVMTILLVVLYKYRCYKVIHAWLISSLLLLFFFSFIYLGVEF  
KTYNVAVDYITVALLIWNFGVGMISIHWKGPLRLQQAYLIMISALMALVFIKYLPEWTAWL  
ILAVISVYDLVAVLCPKGPLRMLVETAQERNETLFPALIYSSTMVWLVNMAEGDPEAQRVS  
KNSKYNAESTERESQDTVAENDDGGFSEWEAQRDShLGPHRSTPESRAAVQELSSSILAGE  
DPEERGVKLGLGDFIFYSVLVGKASATASGDWNTTIACFVAILIGLCLTLLLLAIFKKALPA  
LPISITFGLVFYFATDYLVPFMDQLAFHQFYI

FIG. 12B



METHOD FOR IDENTIFYING INHIBITORS OF NEURONAL DEGENERATION

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ATGCTCACATTCATGGCCTCTGACAGCGAGGAAGAAGTGTGTGATGAGCGGACGTCCCTAAT  
GTCGGCCGAGAGCCCCACGCCGCGCTCCTGCCAGGAGGGCAGGCAGGGCCCAGAGGATGGAG  
AGAACACTGCCCAGTGGAGAAGCCAGGAGAACGAGGAGGACGGTGAGGAGGACCCTGACCGC  
TATGTCTGTAGTGGGGTTCCCGGGCGGCCGCCAGGCCTGGAGGAAGAGCTGACCCTCAAATA  
CGGAGCGAAGCACGTGATCATGCTGTTTGTGCCTGTCACTCTGTGCATGATCGTGGTGGTAG  
CCACCATCAAGTCTGTGCGCTTCTACACAGAGAAGAATGGACAGCTCATCTACACGACATTC  
ACTGAGGACACACCCTCGGTGGGCCAGCGCCTCCTCAACTCCGTGCTGAACACCCTCATCAT  
GATCAGCGTCATCGTGGTTATGACCATCTTCTTGGTGGTGTCTACAAGTACCGCTGCTACA  
AGTTCATCCATGGCTGGTTGATCATGTCTTCACTGATGCTGCTGTTCCCTCTTCACCTATATC  
TACCTTGGGGAAGTGCTCAAGACCTACAATGTGGCCATGGACTACCCACCCCTCTTGCTGAC  
TGTCTGGAACCTCGGGGCAGTGGGCATGGTGTGCATCCACTGGAAGGGCCCTCTGGTGTGC  
AGCAGGCCTACCTCATCATGATCAGTGCCTCATGGCCCTAGTGTTCATCAAGTACCTCCCA  
GAGTGGTCCGCGTGGGTCATCCTGGGCGCCATCTCTGTGTATGATCTCGTGGCTGTGCTGTG  
TCCCAAAGGGCCTCTGAGAATGCTGGTAGAACTGCCAGGAGAGAAATGAGCCCATATTCC  
CTGCCCTGATATACTCATCTGCCATGGTGTGGACGGTTGGCATGGCGAAGCTGGACCCCTCC  
TCTCAGGGTGCCCTCCAGCTCCCCCTACGACCCGGAGATGGAAGAAGACTCCTATGACAGTTT  
TGGGGAGCCTTCATACCCCGAAGTCTTTGAGCCTCCCTTGACTGGCTACCCAGGGGAGGGCT  
GGAGGAAGAGGAGGAAAGGGGCGTGAAGCTTGGCCTCGGGGACTTCATCTTCTACAGTGTGC  
TGGTGGGCAAGGCGGCTGCCACGGGCAGCGGGGACTGGAATACCACGCTGGCCTGCTTCGTG  
GCCATCCTCATTTGGCTTGTGTCTGACCCTCCTGCTGCTTGCTGTGTTCAAGAAGGCGCTGCC  
CGCCCTCCCATCTCCATCACGTTCCGGGCTCATCTTTTACTTCTCCACGGACAACCTGGTGC  
GGCCGTTTCATGGACACCCTGGCCTCCCATCAGCTCTACATCTGA

FIG. 13A



METHOD FOR IDENTIFYING INHIBITORS OF NEURONAL DEGENERATION

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MLTFMASDSEEEVCDERTSLMSAESPTPRSCQEGRQGPEDGENTAQWRSQENEEDGEEDPDR  
YVCSGVPGRPPGLEEEELTLKYGAKHVIMLFVPVTLCMIVVVATIKSVRFYTEKNGQLIYTTF  
TEDTPSVGQRLNLSVLNNTLIMISVIVVMTIFLVVLYKYRCYKFIHGWLIMSSLMLLFLFTYI  
YLGEVLKTYNVAMDYPTLLLTWNFGAVGMVCIHWKGPLVLQQAYLIMISALMALVFIKYP  
EWSAWVILGAISVYDLVAVLCPKGPLRMLVETAQERNEPIFPALYSSAMVWTVGMAKLDPS  
SQGALQLPYDPEMEEDSYDSFGEPSYPEVFEPPLTGYPGEELEEEEEEERGVKLGGLGDFIFYSV  
LVGKAAATGSGDWNTTLACFVAILIGLCLTLLLLAVFKKALPALPISITFGLIFYFSTDNLV  
RPFMDTLASHQLYI

FIG. 13B



METHOD FOR IDENTIFYING INHIBITORS OF NEURONAL DEGENERATION

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GAATTCGGCACGAGGGGCGCCGCTCGGCTCCCTTCCCGCCCCCTGGCTCCCTCCCTCCCTCCCTC  
CCTCCTTCTTCTCCCTCCCTCCTGTCTGGGATTGCCTGGAGCTCCGCACCGCGAGTTTGCCGC  
GGCACTTTCCGCGCGGCGGAAGAGCGCGCGCCAGCTTCGGCACACCTGGGAGCCGGATCCCAGC  
CCTACGCCTCGTCCCCTACAAGCTCCTCCAAGCCCCGCCGGCTGCTGTGGGAGCGGCGGCCGTC  
CCTCTCCTGGAGGTCGTCTCCTGGCATCCTCGGGGCCGCAGGAAGGAAGAGGAGGCAGCGGCCG  
GAGCCCTGGTGGGCGGCCTGAGGTGAGAGCCCGACCGGCCCTTTGGGAAT

FIG. 14



METHOD FOR IDENTIFYING INHIBITORS OF NEURONAL DEGENERATION

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GAATTCCAGAAGGCAGGAACAGAGAAAGTAGAAGGAAAGTCTTATAAAAGAAAGAGAATAGGCC  
AGGCACGGTGGCTCACGCCTCTAATCCCAGCATTTTGGGAGGCTGAGGCAGGTGGATCATGAGG  
TCAGGAGTTCAAGACCAACCTGACCAACATGGTGAAGCCCCGTCTCTACTAAAATAACAAAAAT  
TAACCAGGCGTGTGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAATCGCTTGAA  
CCCGAAAGGTGAAGGTTGCTGTGAGCCTAGATCAGGCCACTGCACTCTGACCTGGGCGACAGAG  
CGAGACTCCATGTCAAAGAAAAAGAAAGAGGATAAGAAAATTTCTAACTGGAAGGCAGATAGC  
TGATTAAGGGTCCACTGACTGCATAACATAAATGATAAAAGACCAAATCAGAGCATATCT  
TCAAGATATTTAGAGGATCTAAGTAAGAAGATCCAAAAATTTTGAGACAGAAAATACAATGCA  
ATCAGAATGCCACTGGTCTTCTAAACAGCAACTCTGGAACTAGATGATAATAAGCAATGCCT  
TCAAAATTATGAAGGAAAATGCTTTCTAACCTAGAGTTCTATGCTCCACCAAATATTAATCAA  
GTATGAAGATAAATTTAAACATTTTCCAATATGCAAGGTCTCTAAGAATGAGTTATACTATCT  
TCAGAATATACTGAGGATATACTCTGCTAAAATGAAGGGGAGAAACAAAAAGAGAAAAGTATGC  
AATTCAGGAAACAAGAAGTCTACAGAGAAAATGATTCTCAAGGTGTTAGAGGAGCATAATCCCA  
GGATGACCACAAGCAACGAGCCTTAAAATCAGTCCAGATTAGGCCAGGTGCGGTGGCTCACACC  
TGTAATCCCAGCACTTTGGGAGGCCAAAGCAGGCTGGTTGCCTGAGCTCAGAAGTTCGAGACCA  
GTCTGGGCAACATGGTGAAACCCCCGTCTCTACTAAAATACAAAAAATTAGCTGGGCGTGGTGG  
CATGTGCCTGTATTCCCAGCTACTCTGGAGGCTGATGCAGGAGAATTGCTTGAACCCAGGAGGC  
GGAGGTTGCAGTGAGCCAAGACTGCGCCACTGCACTACAGCCTCACCAACAGAGCGAGACTCCG  
TCTCCAAACAAACAAACAAATCAATCCATATTAAGCAGGGGATGGAGGGCTCCAGAACAGAT  
GTTTCCAAAAAGAGAATAGAACTGATAGCTTACCAATGTGATTAAACGTCATTGAGAGGAGGAA  
AATTTGAGTATATACTTGTGACTGGTATATAAAAAATAAGCCGATGATTAAAGAAAAAAAAG  
AGGCAAGTTTTAACTGCAGAAAAATGGTAAAGACAAAAGGTATAGTTGTGCAACAAGGAAAAAC  
AGTTGTAAAAAAAAGAAATGCAATCATATACACCACATGACTCAGCTATGAACAGTATTTGTA  
TAGTCATAATACTACGGGCGTGTAGGAGTATGAAAAGTATATGTGTGGCCGGGCATGGTGGCTC  
ATGCCTGTAATCCCAGAACTTTGGGAGGCCGAGGCGGGTGGATCACGAGGTCAGGAGATCGAGA  
TCATCCTGGCTAACACAGTGAAACCCCCGTCTCTACTAAAATGCAAAAAAAGAAAAAAGAAAA  
AAAAAATTAGCCGGGCGTGGTGGCAGCCACCTGTAGTCCCAGCTACTCAGGAGGCTGAGGCAG  
GAGAATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAG  
CCTGGGAGACAGAGCGAGACTCCATCTCAAAAAAAGAAAAAAGAAAAAGAAAAAGAAAA  
GTATATGTGTTATTAGTGTATTAGAGCTAAATCCTCTTCTATATCTAAAAATGGAAAAATCAAG  
ATGTACAATAGCAGATATGCACATAAAAAATAAATATGAAGATCTCTATTAATGGAACCAAGTTA  
AAAAGTTCAAAGTTTTGGGTAGGGTTTTCAGAATGGATAAGGTAGAGAGGGGATTGCTGTTTTT  
TGTTATAATCCTTGTAAGAACTAAAGTATGTAATTTTTTTATCCTATGCACATATAATATTTTGA  
TGTTAGAGGATGAATTGCATATGTTCCAGAAATACCTGCATTGAAGGCAAAATGGCTACTTCCC  
AATACACTAGCTATCCATACATATAATAATACACTTCCCTCAAAATCATTAAGACTAACATCTAG  
GTTTCACTCTGACATATTTAAATGAATCTGTTTTTGTGAGCATTATCATCATATTTTATTTTAT  
TATTAAGGGCAAGTGAGTCGCTAAAAATTGGTTATTTTAGGCTAACTCAGAGGTGCTCAACCGG  
GGAAGAATTTTATCCCAGGGACCATGTGGCAATGTCACAATACAGGTGGGGGTTTCTTATTGGT  
ATCTAATAGGTAGAAGCCAACGATGCTGCTAAACAACCTACAATGGGCAGGACAGCAAGAATT  
ATCCAGCCCCAAATGTAACAGTGCTGAGGTGAGAAACCAAGCTCCAAGTCTTTGAGGATTATT  
TCATCAGAACGCTATACATAAAGATTGATGATATGCAAACATCTTGCAATTTAGGACTGACTCA  
GCTAAATACCTCGGTGCAATGTTGGAAGCAGTCTGGCTGTGAAATATATCTTCGGGAATATTGA  
GAATGGTAAAGACAAAAGGTATAATAAATGATAATAATAACAAAACACAGAGCTTTGTACCTCA  
ATAATCTCTTTTATCCATGGTTCCTAGGGCACTTTATAGACTAATAATACCTACTCTGGTACTC  
ACATACCACCTTTTATCTAAGGACTGCAGGCACTTTCACAACACTCTCACGATGCAGGAAGTAT  
TATTATCCCCATTTTATATGTAAGTAAACAGAGGCACAAAAGTTAAGCAACTTGCCCCAAGCCA

FIG. 15A





METHOD FOR IDENTIFYING INHIBITORS OF NEURONAL DEGENERATION

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CACAAGTCAGTAGCAGCCAAAATTCCTGACTCAGAACCTATTAACACTAAGAGAACTGGTCTAA  
GCCATGCAGTGATAAATTTATGTGGGGTGTATCCTAGTTCATTCAAAGTCTATCGTTTTTAGG  
CTGATATTGTATATTCAATACCCCATCTGTTATAATTTCTCTTCTCCCATACACTTCTTAGAG  
ACCAAGGACTTTAAGCCCCTAGAAGGGACTATGTTTACTGAGTGCCTTCCTCGAATCAAGCACA  
TTTTATGTGCAGTGTGAGTTCTTAAGACAGCTTAAATATAATGTAATTGGGAGGCTGAGAGCAG  
GAGAATTGCTTGAAGTCAAGGAGGCGGAGGTTGCAGTGAGCTGAGATCCCGCCACTGCACTCCAG  
CCTGGCGACAGAGCGAGACTCCGCCTCAAAAAAAAAAATGTAATTTTTGCTGATTTTATAG  
TACAGAAAGCTGAGTACCAGATAATGTAAACATGCCCAAGATCTCTCAGCTAGCTGACTATTCC  
CTCTTTCCACTATATCCTGCAGCCCTTCCAGGAGAAAAGTCTCTGATAAGTTACAAAGCATAT  
GAATGTGAATACGTTTAATGTCCAGCCTCCCTTACTCTCCTTAAAACTCAGAAAACAAACTAA  
TGAATATGTAATTGAGAACTTCAGGTGGCACACTGGGGTTGGTACTAGCTTAGGTAAACAGCC  
GCTCAGCCTTTTAGACCTATTCCCAACAAAAGCTTTTAATTTTCTAAGGATTTTTCCAGAGCTC  
TCGCCATACGTTTCCCAACAGCCAGACCAAAGACCAAACACTGTCTTCCCTGAGAAATATAG  
AGCATGTGAATCACTTTCTTCTGTTCCAGTCTGTGGCAGGCAAACACTGATTGCTCACTCAT  
CATGTGCTACCTGGGCAAAACAGGAATATTAAGTAGGAAGAAAGGTTTATGTTAGGTAAGAGCG  
TGACTTAGGGCTCTCCTACTTTTTTACAAAATGGAGACCTGGCATTGTAGCCTCCCACAATGA  
TGTGCCCTGACATTACTTGGATATAGAAAGGTCAGTCTTAGGTGCGTCAGTGACAGCCCCCCCC  
GCTCTGATCCAGAAATTTAGATGACTTGCATCAGAGGATAAGCCTCTGGCATGTTAATAATGA  
AAAAATAGAGACAATCACTGCCCCAGCTCATCTCAAATTAGCATCAGTGCAGCGTTAGTACTTT  
GGTAGGGAGCTTTGCTGCTAAATTCATTCTCTGTAAAGAGGAGAGGCAGAGACAGGGTTAAGGG  
GAAAACTCCAAGACTGGAATCGCCAATACAATAAACTGTGCAACTGAGTTTTTTCTCCCGCAAC  
CCTAAGATACTAGTAAGTCTTCTCTTAGCCAAACCTTTTACCAGGGCACCAGTCTTTCTT  
AGAAGGAGGGTGCTGGGTTTGTCTCAGGTCTTCTATTCTCTGCCCCGCTGCCCTAGTACATCT  
GAAAAGGGAGCAGCGACTAGGAAAAGAGACAGTGGGTATTTCCCATCCTGTCTAGTCATTCC  
CTGAATCATCACAAAGTTATCGCACTTTTCCCTTAGCCAGCAGCGTTCGAGACTTTCTCTCAA  
TAATACGGTCTTGTAATAAAAGGAAGAGTGGTGGGAGAAGAGAGAGGCGGAGAAGACAAGCAA  
GAAGGGCGTGAGTGCCGTTCCCGCCCCGGAGTCGGAGGCGCGGGGAGGCGGACGCCGCGAAG  
CTGCTAGCCCAGGAATGTGCCGTCTAACTCGCAGGCCGCGGGCGGAGCGCGGCGGGCGCGTGT  
GGTCTGCGGCGGGAGCGGGGCAGAGGACGGCTGGCGCAGGGCAGGCTGCAGCGGCGGGCGCGGAC  
GCGACGCCGCGCACCTGAGCGCCGGGGCGGGCGGTCAGCGGCCACGACCCTTCCACCGCGCG  
CCGCGCCCCCTCGCGCGCCGCCCTCGGCCTTTTCCGCTCGTGCTTCGGCGCCGCTCGGCTCCCTTC  
CCGCCCCCTGGCTCCCTCCCTCCCTCCCTCCCTCCTTCTCTCCCTCCCTCCTGTCTGGGATTG  
CCTGGAGCTCCGCACCGCGAGTTTGCCGCGGCACTTTCCGCGCGGCGGAAGAGCGCGCGCCAGC  
TTCGGCACACCTGGGAGCCGGATCCAGCCCTACGCCCTCGTCCCCTACAAGCTCCTCCAAGGTA  
AGGCGCTCGCTCACACCCGGTCTTTCCACGCTCGGCGGGACAGCTGGGTCCCCGCCTCCTCTG  
CGAACC GGCTAGGAGCTCCGCGCCTCGCCTTGGGAGTGGGGTTGTAGCTGACGGGGACCTCGGA  
CCGGCGGTGGCTAGAGCGCGGAGCAGGCGATACGACGAGCCGACAGGTGGCGGGTCTAGCCCTA  
GTATCTCGACCGCCGCGGCGCGGACCTTGGTGGGGATGGGGCGGGCGGGCCGACTTGGGGGTG  
GGGTGAGTCTCTCTCTCCCTTCTAGGGGCGGCGATCGTGGGGTCCGTACTGTAGGTGCGTG  
GGAGAACTTTGCAGGGTGGGGACCCGGCGGCTGCTGGCCGGTAGTGACTGGTGGGCGCGCTCG  
AGGACTCCAAGGGGCGCAGCCCGGGGGCAGACCCTTGGGTGGGGCGGGGATCTTACGCTTCCCT  
TACCGCCCCCTTTTGTCTTTCACCTCAGCCCCGCGGGCTGCTGTGGGAGCGGCGGCGCTCCCT  
CTCCTGGAGGTGCTCTCCTGGCATCCTCGGGGCCGAGGAAGGAAGAGGAGGAGCGGCGCGGAG  
CCCTGGTGGGCGGCCTGAGGTGAGAGCCCGACCGGCCCTTTGGGAATATGGCGACCGGTGGCT  
ACCGGACCAGCAGCGGCTCGGCGGACGACACAGACTTCTGGAGGAGTGAAGGCGAAACG  
CGAGAAGATGCGCGCCAAGCAGAACCCCCCGGGCCCGGGCCCCCGGGAGGGGGCAGCAGCGAC  
GCCGCTGGGAAGCCCCCGCGGGGGCTCTGGGCACCCCGGCGGCGC

FIG. 15B